

=> d his ful

(FILE 'HOME' ENTERED AT 15:21:24 ON 02 AUG 2006)

FILE 'REGISTRY' ENTERED AT 15:21:32 ON 02 AUG 2006

L1 55 SEA PLU=ON VRIP/SQSP AND SQL=<25
E INTERFERON-BETA/CN

L2 1 SEA PLU=ON "INTERFERON-BETA (HUMAN GENE INTERFERON-BETA)"/CN
D L2
E INTERFERON/CN
E INTERFERON B/CN

L3 1 SEA PLU=ON "INTERFERON B"/CN

L4 101 SEA PLU=ON ("INTERFERON B"/CN OR "INTERFERON B
(101-PHENYLALANINE) (HUMAN)"/CN OR "INTERFERON B (11-ASPARAGINE) (HUMAN PRECURSOR)"/CN OR "INTERFERON B (11-ASPARAGINE, 13-THREONINE) (HUMAN PRECURSOR)"/CN OR "INTERFERON B (110-ASPARAGINE) (HUMAN PRECURSOR)"/CN OR "INTERFERON B (110-ASPARAGINE, 112-SERINE) (HUMAN PRECURSOR)"/CN OR "INTERFERON B (111-ASPARAGINE) (HUMAN)"/CN OR "INTERFERON B (111-ASPARAGINE, 113-THREONINE) (HUMAN PRECURSOR)"/CN OR "INTERFERON B (111-ASPARAGINE, 116-GLUTAMIC ACID) (HUMAN)"/CN OR "INTERFERON B (111-ASPARAGINE, 120-ARGININE) (HUMAN)"/CN OR "INTERFERON B (116-ASPARAGINE) (HUMAN PRECURSOR)"/CN OR "INTERFERON B (116-ASPARAGINE, 118-THREONINE) (HUMAN PRECURSOR)"/CN OR "INTERFERON B (13-ALANINE, 84-ISOLEUCINE, 91-ISOLEUCINE, 118-CYSTEINE, 146-ISOLEUCINE, 157-LEUCINE, 161-CYSTEINE) (HUMAN)"/CN OR "INTERFERON B (13-GLUTAMIC ACID, 17-ASPARTIC ACID, 69-VALINE, 84-ISOLEUCINE, 91-ISOLEUCINE, 118-ALANINE, 122-ISOLEUCINE, 146-ISOLEUCINE, 157-LEUCINE, 161-ALANINE) (HUMAN)"/CN OR "INTERFERON B (13-GLUTAMIC ACID, 17-ASPARTIC ACID, 84-ISOLEUCINE, 91-ISOLEUCINE, 118-ALANINE, 122-ALANINE, 157-LEUCINE, 161-ALANINE) (HUMAN)"/CN OR "INTERFERON B (13-GLUTAMIC ACID, 17-ASPARTIC ACID, 84-ISOLEUCINE, 91-ISOLEUCINE, 118-CYSTEINE, 146-ISOLEUCINE, 157-LEUCINE) (HUMAN)"/CN OR "INTERFERON B (13-GLUTAMIC ACID, 17-ASPARTIC ACID, 84-ISOLEUCINE, 91-ISOLEUCINE, 118-CYSTEINE, 161-CYSTEINE) (HUMAN)"/CN OR "INTERFERON B (13-GLUTAMIC ACID, 17-ASPARTIC ACID, 84-ISOLEUCINE, 91-ISOLEUCINE, 118-CYSTEINE, 161-CYSTEINE) (HUMAN)"/CN OR "INTERFERON B (13-GLUTAMIC ACID, 56-LEUCINE, 84-ISOLEUCINE, 91-ISOLEUCINE, 114-LEUCINE, 118-GLUTAMIC ACID, 161-Glutamic Acid) (HUMAN)"/CN OR "INTERFERON B (13-LEUCINE, 17-ALANINE, 56-LEUCINE, 84-ISOLEUCINE, 87-PHENYLALANINE, 91-LEUCINE, 114-PHENYLALANINE, 118-LEUCINE, 122-ISOLEUCINE, 161-GLUTAMIC ACID) (HUMAN)"/CN OR "INTERFERON B (13-LEUCINE, 56-LEUCINE, 84-ISOLEUCINE, 91-ISOLEUCINE, 114-PHENYLALANINE, 118-LEUCINE, 122-ISOLEUCINE, 161-ALANINE) (HUMAN)"/CN OR "INTERFERON B (49-ASPARAGINE, 51-THREONINE) (HUMAN)"/CN OR "INTERFERON B (49-ASPARAGINE, 51-THREONINE, 111-ASPARAGINE, 113-THREONINE) (HUMAN)"/CN OR "INTERFERON B (49-ASPARAGINE, 51-THREONINE, 71-ASPARAGINE, 73-THREONINE, 111-ASPARAGINE, 113-THREONINE) (HUMAN)"/CN OR "INTERFERON B (49-ASPARAGINE, 51-THREONINE) (HUMAN PRECURSOR)"/CN OR "INTERFERON B (49-ASPARAGINE, 51-THREONINE, 111-ASPARAGINE, 113-THREONINE) (HUMAN PRECURSOR)"/CN OR "INTERFERON B (49-LYSINE, 111-LYSINE) (HUMAN)"/CN OR "INTERFERON B (5-GLUTAMINE) (HUMAN)"/CN OR "INTERFERON B (5-GLUTAMINE, 111-ASPARAGINE) (HUMAN)"/CN OR "INTERFERON B (5-GLUTAMINE, 111-ASPARAGINE, 116-GLUTAMIC ACID) (HUMAN)"/CN OR "INTERFERON B (5-GLUTAMINE, 111-ASPARAGINE, 120-ARGININE) (HUMAN)"/CN

L5 825 SEA PLU=ON ("INTERFERON B (49-ASPARAGINE, 51-THREONINE) (HUMAN)"/CN OR "INTERFERON B (49-ASPARAGINE, 51-THREONINE, 111-ASPARAGINE, 113-THREONINE) (HUMAN)"/CN OR "INTERFERON B (49-ASPARAGINE, 51-THREONINE, 71-ASPARAGINE, 73-THREONINE, 111-ASPARAGINE, 113-THREONINE) (HUMAN)"/CN OR "INTERFERON B (49-ASPARAGINE, 51-THREONINE) (HUMAN PRECURSOR)"/CN OR "INTERFERON B (49-ASPARAGINE, 51-THREONINE, 111-ASPARAGINE, 113-THREONINE) (HUMAN PRECURSOR)"/CN OR "INTERFERON B (49-LYSINE, 111-LYSINE) (HUMAN)"/CN OR "INTERFERON B (5-GLUTAMINE) (HUMAN)"/CN OR "INTERFERON B (5-GLUTAMINE, 111-ASPARAGINE) (HUMAN)"/CN OR "INTERFERON B (5-GLUTAMINE, 111-ASPARAGINE, 116-GLUTAMIC ACID) (HUMAN)"/CN OR "INTERFERON B (5-GLUTAMINE, 111-ASPARAGINE, 120-ARGININE) (HUMAN)"/CN

OR "INTERFERON B (5-GLUTAMINE, 116-GLUTAMIC ACID, 120-ARGININE) (HUMAN)"/CN OR "INTERFERON B (5-GLUTAMINE, 120-ARGININE) (HUMAN)"/CN OR "INTERFERON B (5-GLUTAMINE, 47-LYSINE) (HUMAN)"/CN OR "INTERFERON B (5-GLUTAMINE, 47-LYSINE, 111-ASPARAGINE) (HUMAN)"/CN OR "INTERFERON B (5-GLUTAMINE, 47-LYSINE, 111-ASPARAGINE, 116-GLUTAMIC ACID) (HUMAN)"/CN OR "INTERFERON B (5-GLUTAMINE, 47-LYSINE, 116-GLUTAMIC ACID, 120-ARGININE) (HUMAN)"/CN OR "INTERFERON B (5-GLUTAMINE, 47-LYSINE, 120-ARGININE) (HUMAN)"/CN OR "INTERFERON B (5-GLUTAMINE, 8-GLUTAMIC ACID) (HUMAN)"/CN OR "INTERFERON B (5-GLUTAMINE, 8-GLUTAMIC ACID, 111-ASPARAGINE) (HUMAN)"/CN OR "INTERFERON B (5-GLUTAMINE, 8-GLUTAMIC ACID, 111-ASPARAGINE, 116-GLUTAMIC ACID) (HUMAN)"/CN OR "INTERFERON B (5-GLUTAMINE, 8-GLUTAMIC ACID, 111-ASPARAGINE, 116-GLUTAMIC ACID, 120-ARGININE) (HUMAN)"/CN OR "INTERFERON B (5-GLUTAMINE, 8-GLUTAMIC ACID, 111-ASPARAGINE, 120-ARGININE) (HUMAN)"/CN OR "INTERFERON B (5-GLUTAMINE, 8-GLUTAMIC ACID, 116-GLUTAMIC ACID) (HUMAN)"/CN OR "INTERFERON B (5-GLUTAMINE, 8-GLUTAMIC ACID, 116-GLUTAMIC ACID, 120-ARGININE) (HUMAN)"/CN OR "INTERFERON B (5-GLUTAMINE, 8-GLUTAMIC ACID, 120-ARGININE) (HUMAN)"/CN OR "

L6 131 SEA PLU=ON ("INTERFERON B-1B (25-ASPARTIC ACID) (SYNTHETIC C HUMAN)"/CN OR "INTERFERON B-1B (25-ISOASPARTIC ACID) (SYNTHETIC HUMAN)"/CN OR "INTERFERON B-1B (HUMAN)"/CN OR "INTERFERON B-2A (HUMAN)"/CN OR "INTERFERON B1 (103-ASPARAGINE,105-SERINE) (SYNTHETIC HUMAN)"/CN OR "INTERFERON B1 (103-ASPARAGINE,105-THREONINE) (SYNTHETIC HUMAN)"/CN OR "INTERFERON B1 (104-ASPARAGINE,106-SERINE) (SYNTHETIC HUMAN)"/CN OR "INTERFERON B1 (104-ASPARAGINE,106-THREONINE) (SYNTHETIC HUMAN)"/CN OR "INTERFERON B1 (107-ASPARAGINE,109-SERINE) (SYNTHETIC HUMAN)"/CN OR "INTERFERON B1 (107-ASPARAGINE,109-THREONINE) (SYNTHETIC HUMAN)"/CN OR "INTERFERON B1 (108-ASPARAGINE,110-SERINE) (SYNTHETIC HUMAN)"/CN OR "INTERFERON B1 (108-ASPARAGINE,110-THREONINE) (SYNTHETIC HUMAN)"/CN OR "INTERFERON B1 (11-ASPARAGINE) (SYNTHETIC HUMAN)"/CN OR "INTERFERON B1 (110-ASPARAGINE) (SYNTHETIC HUMAN)"/CN OR "INTERFERON B1 (110-PHENYLALANINE) (SYNTHETIC HUMAN)"/CN OR "INTERFERON B1 (110-TRYPTOPHAN) (SYNTHETIC HUMAN)"/CN OR "INTERFERON B1 (110-TYROSINE) (SYNTHETIC HUMAN)"/CN OR "INTERFERON B1 (110-VALINE) (SYNTHETIC HUMAN)"/CN OR "INTERFERON B1 (111-ASPARAGINE,113-SERINE) (SYNTHETIC HUMAN)"/CN OR "INTERFERON B1 (111-ASPARAGINE,113-THREONINE) (SYNTHETIC HUMAN)"/CN OR "INTERFERON B1 (116-ASPARAGINE) (SYNTHETIC HUMAN)"/CN OR "INTERFERON B1 (12-ASPARAGINE,14-SERINE) (SYNTHETIC HUMAN)"/CN OR "INTERFERON B1 (12-ASPARAGINE,14-THREONINE) (SYNTHETIC HUMAN)"/CN OR "INTERFERON B1 (123-ALANINE) (HUMAN FIBROBLAST)"/CN OR "INTERFERON B1 (124-ALANINE) (HUMAN FIBROBLAST)"/CN OR "INTERFERON B1 (125-ALANINE) (HUMAN FIBROBLAST)"/CN OR "INTERFERON B1 (15-ASPARAGINE,17-SERINE) (SYNTHETIC HUMAN)"/CN OR "INTERFERON B1 (15-ASPARAGINE,17-THREONINE) (SYNTHETIC HUMAN)"/CN OR "INTERFERON B1 (16-ASPARAGINE,18-SERINE) (SYNTHETIC HUMAN)"/CN OR "INTERFERON B1 (16-ASPARAGINE,18-THREONINE) (SYNTHETIC HUMAN)"/CN OR "

FILE 'HCAPLUS, USPATFULL, USPAT2' ENTERED AT 15:29:13 ON 02 AUG 2006

FILE 'REGISTRY' ENTERED AT 15:29:19 ON 02 AUG 2006

10/601,953

08/02/2006

L7 SEL PLU=ON L1 1- CHEM : 154 TERMS
FILE 'HCAPLUS, USPATFULL, USPAT2' ENTERED AT 15:29:25 ON 02 AUG 2006
FILE 'REGISTRY' ENTERED AT 15:36:29 ON 02 AUG 2006
L8 SEL PLU=ON L1 1- CHEM : 154 TERMS
FILE 'HCAPLUS, USPATFULL, USPAT2' ENTERED AT 15:36:31 ON 02 AUG 2006
L9 64 SEA PLU=ON L1
L10 183 SEA PLU=ON (L2 OR L3 OR L4 OR L5 OR L6)
L11 0 SEA PLU=ON L9 AND L10
L12 51 DUP REM L9 (13 DUPLICATES REMOVED)
ANSWERS '1-39' FROM FILE HCAPLUS
ANSWERS '40-51' FROM FILE USPATFULL
D L12 39 IBIB HITSTR
D L12 35-38 IBIB HITSTR
FILE 'STNGUIDE' ENTERED AT 15:42:50 ON 02 AUG 2006
FILE 'HCAPLUS, USPATFULL' ENTERED AT 15:52:42 ON 02 AUG 2006
D L12 30-34 IBIB HITSTR
FILE 'STNGUIDE' ENTERED AT 15:52:43 ON 02 AUG 2006
FILE 'HCAPLUS, USPATFULL' ENTERED AT 15:56:45 ON 02 AUG 2006
D L12 40-51 IBIB HITSTR
FILE 'STNGUIDE' ENTERED AT 15:56:51 ON 02 AUG 2006

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 1 AUG 2006 HIGHEST RN 897851-29-5
DICTIONARY FILE UPDATES: 1 AUG 2006 HIGHEST RN 897851-29-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

FILE HCAPLUS
FILE COVERS 1907 - 2 Aug 2006 VOL 145 ISS 6
FILE LAST UPDATED: 1 Aug 2006 (20060801/ED)

FILE USPATFULL
FILE COVERS 1971 TO PATENT PUBLICATION DATE: 1 Aug 2006 (20060801/PD)

10/601,953

08/02/2006

FILE LAST UPDATED: 1 Aug 2006 (20060801/ED)
CA INDEXING IS CURRENT THROUGH 1 Aug 2006 (20060801/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 1 Aug 2006 (20060801/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2006

FILE USPAT2
FILE COVERS 2001 TO PUBLICATION DATE: 1 Aug 2006 (20060801/PD)
FILE LAST UPDATED: 1 Aug 2006 (20060801/ED)
CA INDEXING IS CURRENT THROUGH 1 Aug 2006 (20060801/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 1 Aug 2006 (20060801/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2006

FILE STNGUIDE
FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Jul 28, 2006 (20060728/UP).

=> d que sta
L1 55 SEA FILE=REGISTRY PLU=ON VRIP/SQSP AND SQL=<25
L9 64 SEA L1
L12 51 DUP REM L9 (13 DUPLICATES REMOVED)